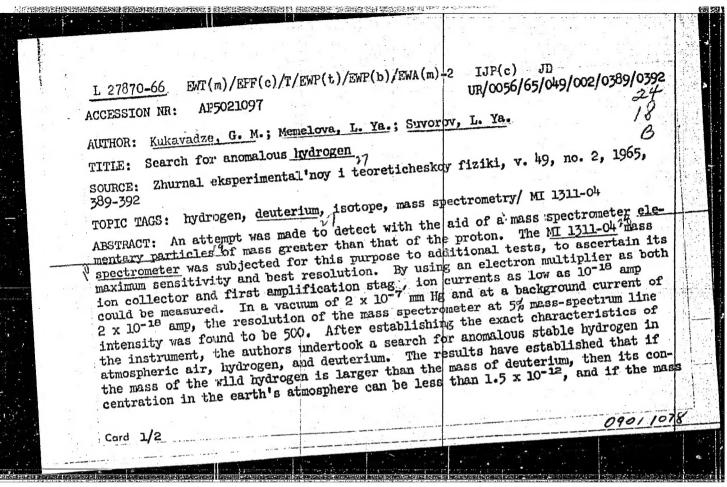
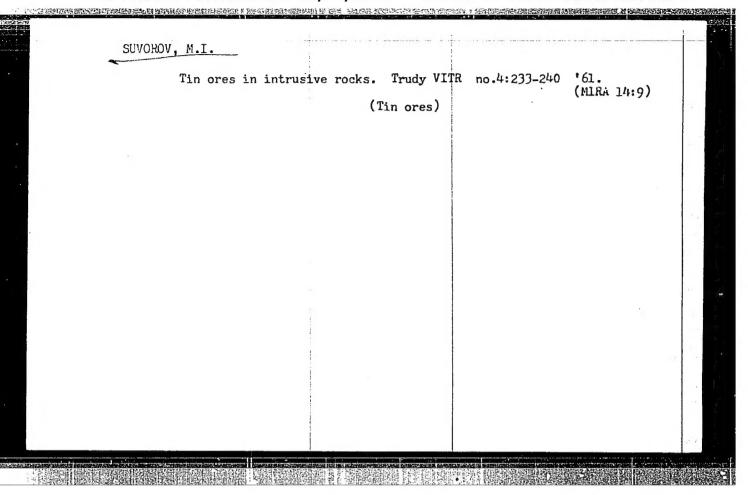
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87657 8/137/60/000/010/002/040 11.3950 Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No. 10, p. 5, # 22408 Kirillov, P.L., Subbotin, V.I., Suvordy, M.Ya. Troyanov, M.F. AUTHORS: Investigation of Heat Transfer in a Tube to a Sodium-Potassium TITLE: Alloy PERIODICAL: V sb.: Vopr. teploobmena, Moscow, AN SSSR, 1959, pp. 80 - 95 TEXT: The authors studied heat transfer in a round Cu-tube to an eutectic 22% Na-78% K alloy. It was established that the value of the coefficient of heat transfer from the wall to the liquid metal increased with time and attained a stable value within about 800 hours of operation; this value is in a satisfactory agreement with the Martinella - Lyon (Martinella-Layon) theoretical formula Nu = 7 + 0.0025 Pe<sup>0.8</sup> A.N.

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Translator's note: This is the full translation of the original Russian abstract.

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Heat Transfer in a Tube to a Sodium-Potassium Alloy and to Mercury

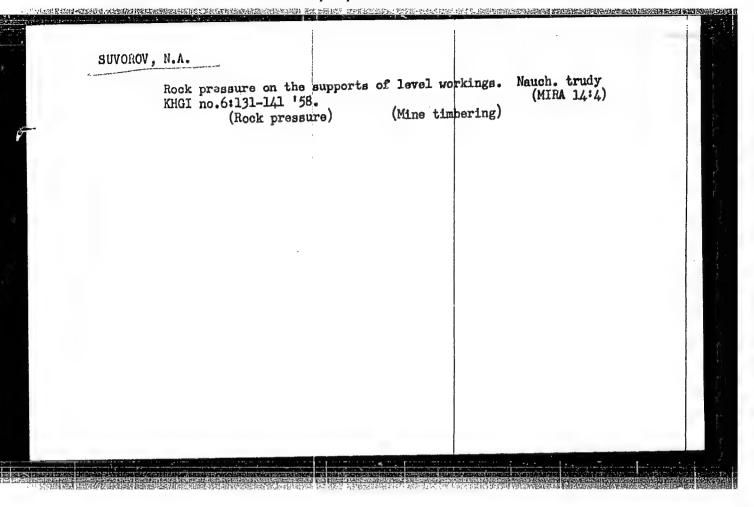
control. Search thermocouple may be let into the Na-K and Hg current respectively. For the purpose of measuring the electromotive force generated by the thermocouples the potentiometer PPTN-1 is used in conjunction with a mirror galvanometer M-21/4. The NaK circulates through filters and cooling trap, so that the oxygen content in the Na-K-circulation may be reduced down to 0.003 % by weight. On the basis of the experimental data the following conclusions may be drawn: 1) The heat transfer coefficients for Na-K were determined twice, viz.: a) from the wall temperatures of the measuring tube, and b) from the temperature distribution of the flowing Na-K. From both measurements it may be concluded that a contact resistivity to head exists, which varies with time. The amount of the thermal contact resistivity depends on the oxygen content of the Na-K alloy. It is graphically represented as a function of time (Fig 5). 2) Measurement of the heat transfer coefficients of nickel (measuring tube material) on mercury shows that no thermal contact resistivity exists. Thus, the material of the contact surface influences heat transfer. 3) By using the mobile thermocouple it was possible to find out that the results are not falsified by

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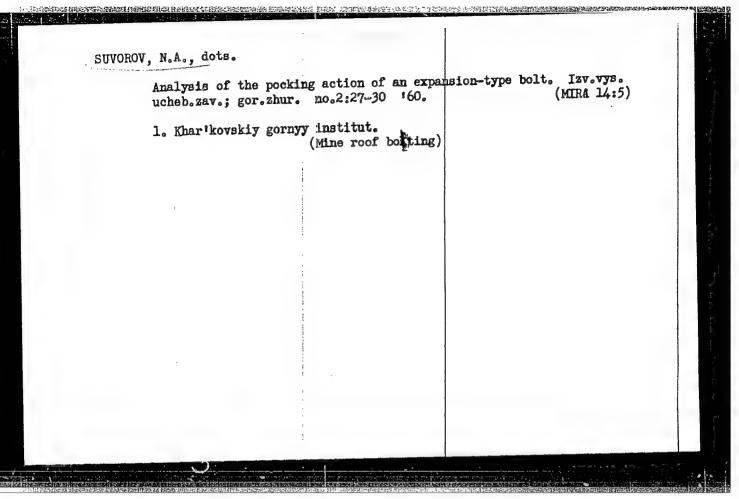
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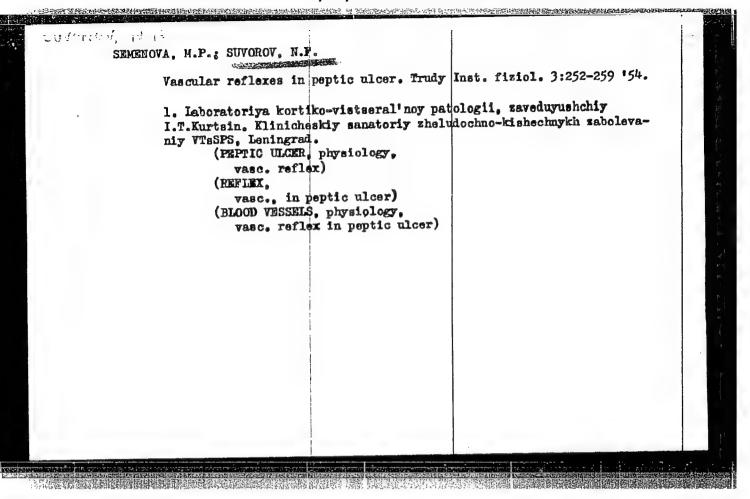


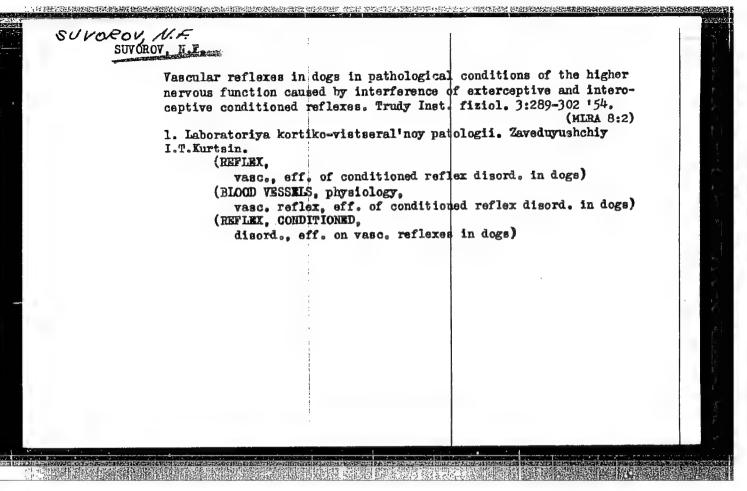
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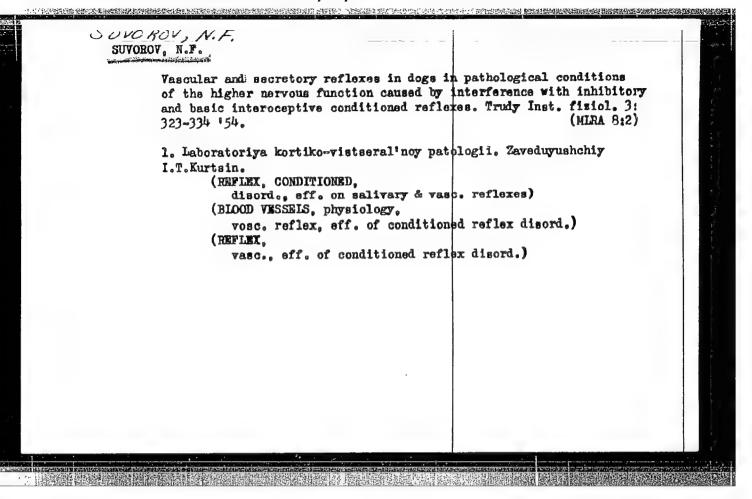


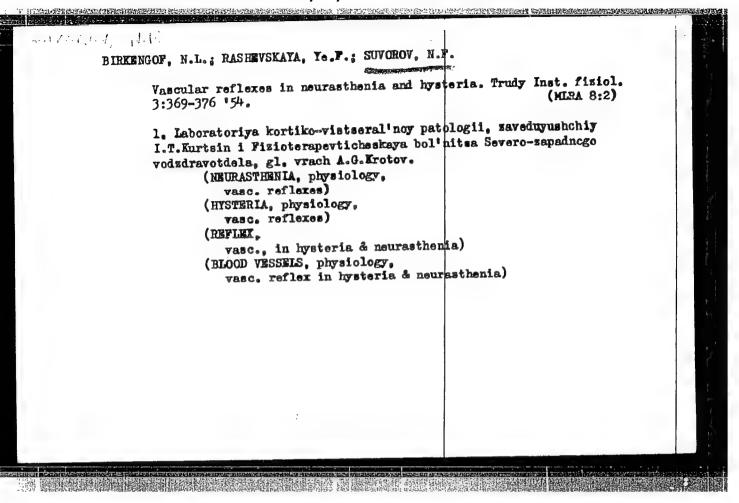
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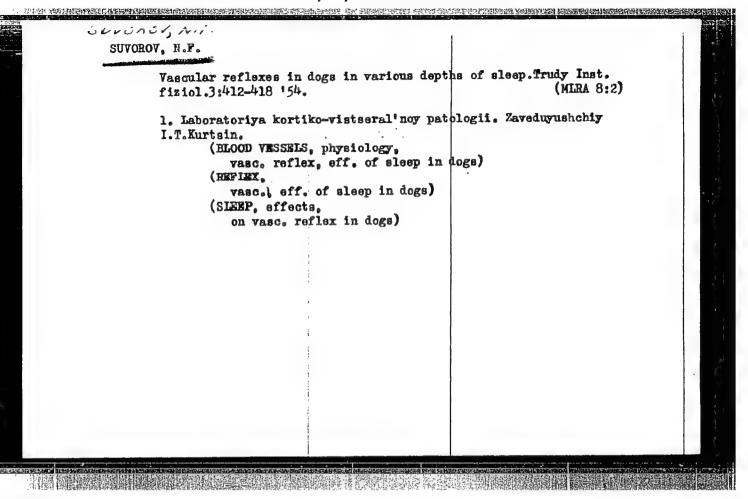
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S:	Studying the effect of the wall advancement rate on the manifestation of rock pressure using models of equivalent materials.  Izv. vys. ucheb. zav.; gor. zhur. 8 no.1:15-19 '65.  (MIRA 18:3)	
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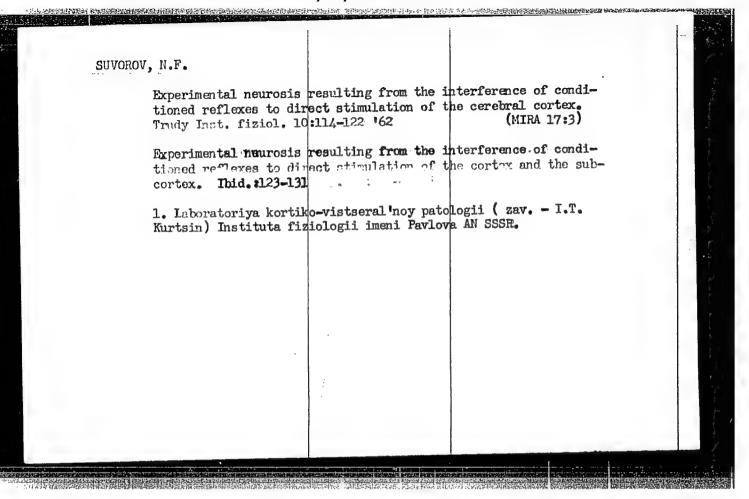


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T-12 USSR/Human and Initial Physiology. The Nervous System Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65740 : The Institute of Physiology of the Academy of Sciences of : Suvorov N.F. Luthor Inst : Vascular Reflexes in Dogs After Collision of Positive and inhibitory Interoceptive Conditioned Reflexes Title Orig Pub : Tr. In-te fiziol. AN SSSR, 1957, 6, 409-418 Abstract : In three dogs with fistules of the sellivary duct, storuch, duodenum and ileocecal region, a stareotype of conditioned reflexes and differentiations was established in response to bells and also to mechanical, chemical and heat stimulation of ducdenum and ileocecal area in the presence of reinforcement by infusion of acid or salt solution into the mouth. Then a collision of positive conditioned responses to stimulation of the duodenum and inhibitory conditioned responses to stimulation of the eleocecal area was produced. The amplitude of the conditioned reflexes declined, dif-: 1/2 Card Lab of Cortico-Vistoeral Pathology 

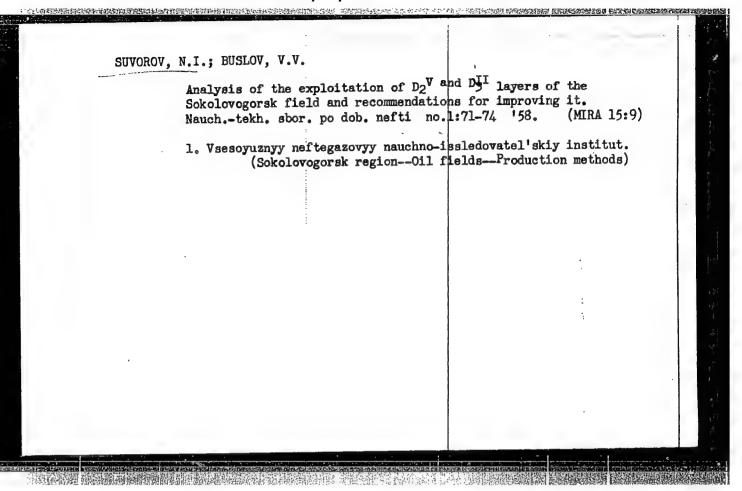
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SUVOROV, N. J. 1 GVOZDEVA, L. P.	
21,883. SUVOROV, N. I. i GVOZDEVA, L. P. Vestnik Akad. Nauk Kazakh. SSR, 19	Rastitel'nyye Resursy Nizoviy R. Ili. 949, No 6, 5. 89-94 Bibliogr: 5 Nazv.
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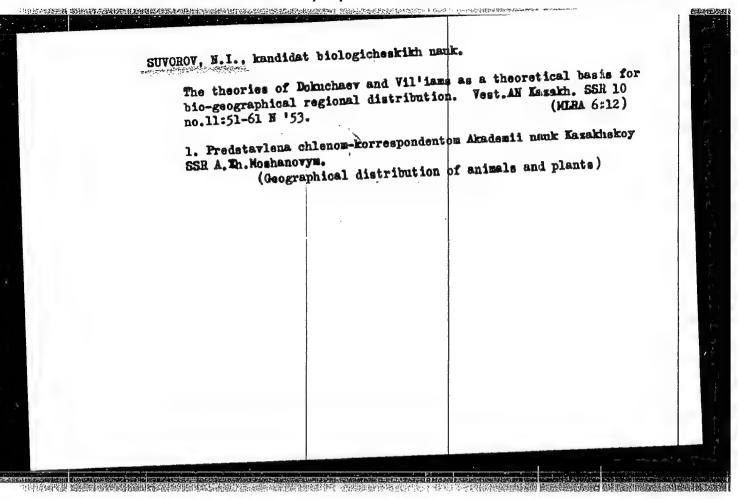
TIKHOV, G.A., redaktor; USANOVICH, M.I.; SUVOROV, N.I., kandidat biologicheskikh nauk, zamestitel' redaktora; KARIMOV, M.G., kandidat fizikomatematicheskikh nauk; KUCHEROV, N.I., kandidat fiziko-matematicheskikh nauk; GORSHENIN, D.S.; FEDOROV, N.N., sekretar' redkollegii;
ROROVINA, Z.P., tekhnicheskiy redaktor; RZHONDVOVSKAYA, L.S., redaktor.

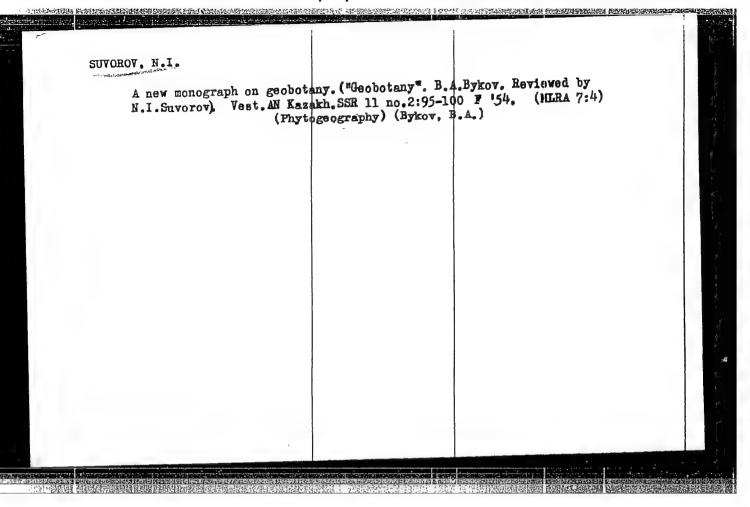
[Discussion on the topic: Principal achievements of the astrobotany sector and the problem of the possibility of life on other planets (September 25-27, 1952)] Diskussiia na temu: osnovnye dostizheniia sektora astrobotaniki i vopros o vozmozhnosti zhizhi na drugikh planetakh (25-27 sentiabria 1952 g.) Alma-Ata, Izd-vo Akademii nauk Kazakh.SSR. 1953. 167 p. (Akademiia nauk Kazakhskoi SSR.Alma-Ata, Sektor astrobotaniki. Trudy v.2) (MIRA 10:1)

- 1. Deystvitel'nyy chlen Akademii nauk Kazakhskoy SSR (gorfikhov).
- 2. Chlen-korrespondent Akademii nauk Kazakhskoy SSR (for Usanovich).
- 3. Otvetstvennyy sekretar' redaktsii zhurnala "Vestnik Akademii nauk Kazakhskoy SSR" (for Gorshenin). 4.Referent fiziko-matematicheskogo otdeleniya Akademii nauk Kazakhskoy SSR (for Fedorov).

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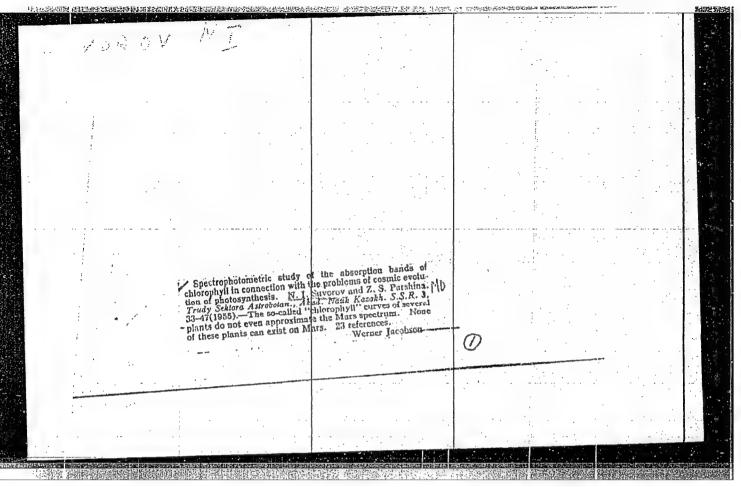




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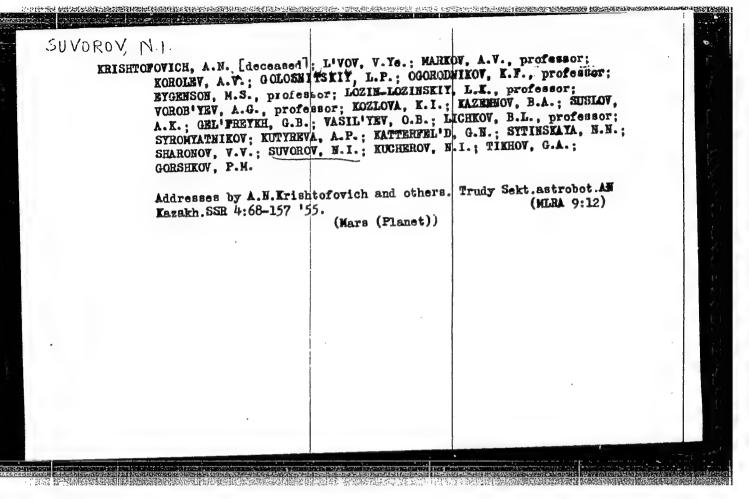
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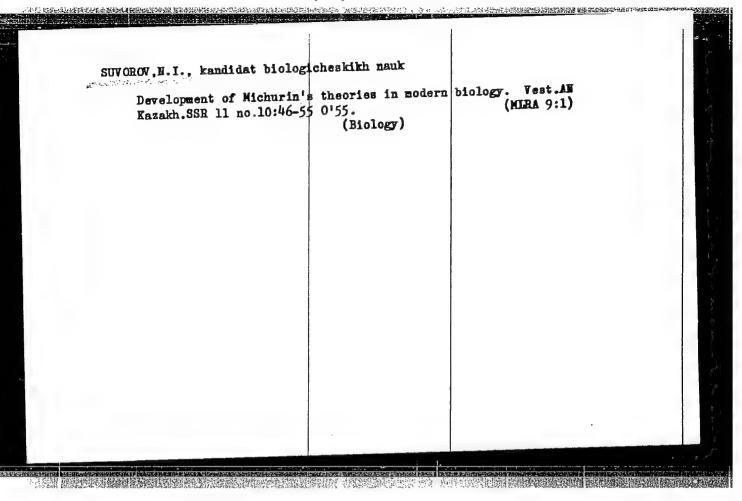
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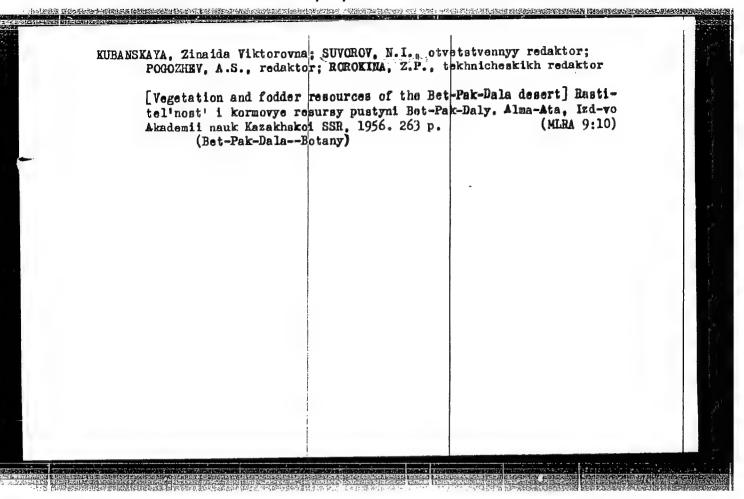
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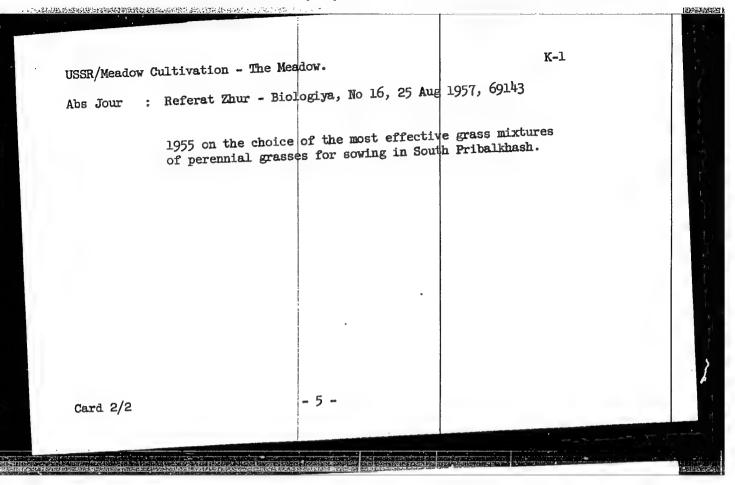


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SUVORUN, N. I.

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Akademiya nauk Kazakhskoy SSR. Sektor astrobotaniki

Trudy, t. 5 (Transactions of the Astrobotanical Sector, Kazakh SSR. Academy of Sciences, Vol. 5) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1957. 1,100 copies printed.

Eds.: L.S. Rzhondkovskaya and D.M. Glazyrina; Tech. Ed.: Z.P. Roro-kina; Editorial Board: Sh.P. Darchiya, K.I. Kozlova (Secretary), N.I. Suvorov (Deputy Resp. Ed.), and G.A. Tikhov (Resp. Ed.).

PURPOSE: This book is intended for scientists engaged in the fields of astrobotany and astronomy.

COVERAGE: The book comprises 20 articles which deal primarily with spectrophotometry as a means for determining the absorption of light by plants. It also contains a short review of the foreign publications on astrobotany which, according to the publisher, has already grown into the more extensive domain of astrobiology.

Card 1/4

# APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001654029010-2" Transactions of the Astrobotanical Sector (Cont.)

Photos and charts accompany each article. No personalities are mentioned. Bibliography follows each article.

TABLE OF CONTENTS:

Tikhov, G.A. On the Article "Explanation of the Color of Mars by the Spectral Properties of Its Atmosphere" by N.A. Kozyrev

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Glagolevskiy, Yu.V. Explanation of the Characteristics a, e, and p on the Scale of the Longitudinal Spectrograph

Glagolevskiy, Yu.V., The Three-Stage Longitudinal Spectrograph

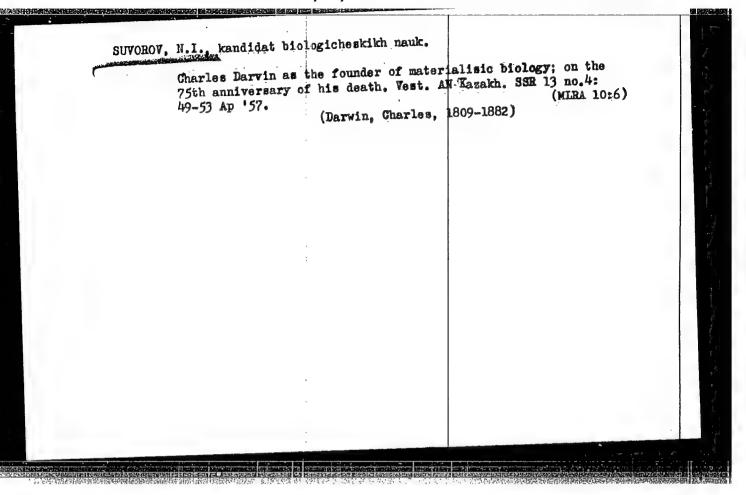
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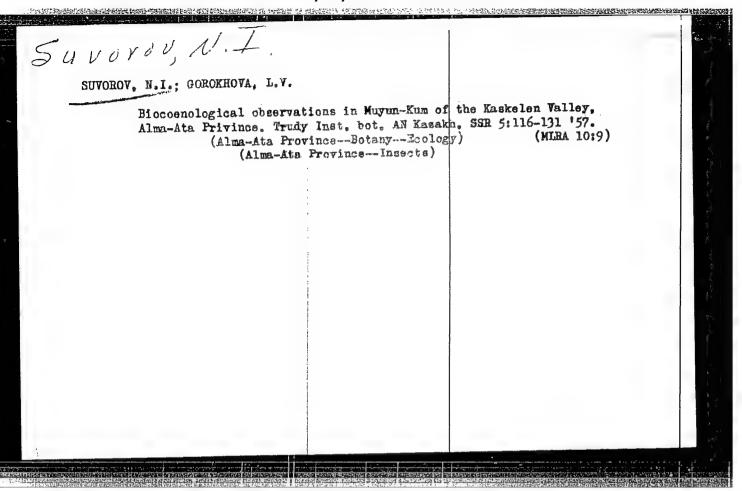
Kozlova, K.I. Evaluation of the Observations of Mars According to the Sketches Made by G.A. Tikhov in 1918, 1920, and 1948

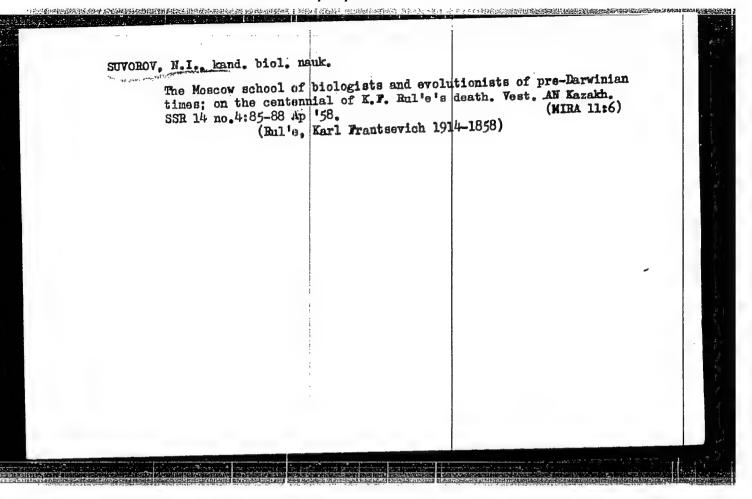
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Foreign Reports on Astrobiology	246
AVAILABLE: Library of Congress MM/ad 6-19-59	

A-4 USSR / General Division, Congresses, Conventions, Conferences Abs Jour : Ref Zhur - Biol., No 1, 1958, No 95 : Suvorov, N.I. Author : Not Given Inst : The Conference on the Problem of the Prognosis of the Con-Title ditions of Life on Other Planets Orig Pub : Vestn. AN KazSSR, 1957, No 2, 63-70 Abstract : The conference took place in Moscow in December 1956, with astronomers and biologists participating. The contemporary knowledge of the conditions of life on other planets is summed up, the themes of complex research in preparation for future interplanetary travel are outlined, and it was proposed that a five year plan of scientific research be worked out, and that a decision be made concerning the necessity of creating a special Institute of Cosmic Biology. : 1/1 Card







#### "APPROVED FOR RELEASE: 03/14/2001 CIA

CIA-RDP86-00513R001654020010-2

SOV/31-59-2-13/17

30(1)

AUTHORS:

Parshin, N.G. and Suvorov, N.I.

TITLE:

The Transformation of Setaria Italica Into a New Species of Setaria Viridis (Prevrashcheniye mogara

v novyy vid shchetinnika)

PERIODICAL:

Vestnik Akademii nauk Kazakhskoy SSR, 1959, Nr 2

pp 107 - 115 (USSR)

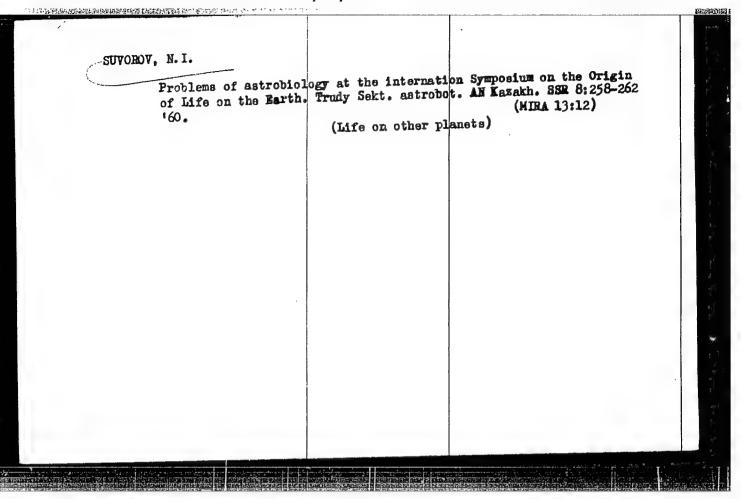
ABSTRACT:

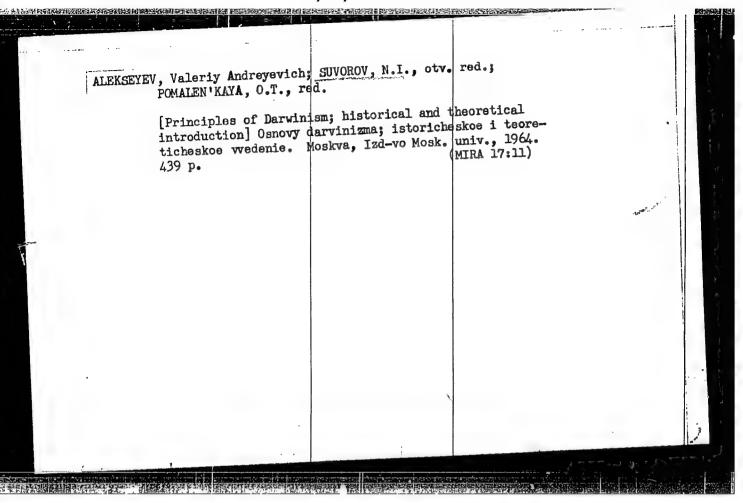
This is a report on an experiment carried out by the Laboratory of Darwinism, Department of Botany of the Alma-Atinskiy gosudarstvennyy pedagogicheskiy institut imeni Abaya (Alma-Ata State Pedagogical Institute imeni Abaya) to study the influence of various zonal imeni Abay) to study the influence of various zonal

Alma-Atinskly gosudars well, John State Pedagogical Institute imeni Abaya (Alma-Ata State Pedagogical Institute imeni Abay) to study the influence of various zonal ecological conditions on the growth of a plant with a previously impaired heredity. The primary material was a specimen of Setaria Italica var. mocharium Alf. was a specimen of Setaria Italica var. mocharium Alf. supplied in 1946 by the Alma-Atinskaya gosudarst-vennaya selektsionnaya stantsiya (Alma-Ata State Selection Station). The experiment can be roughly divided into two stages. During the first stage

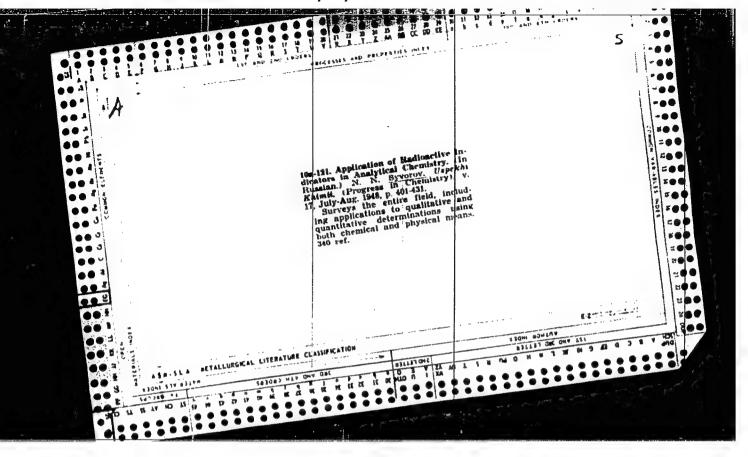
Card 1/4

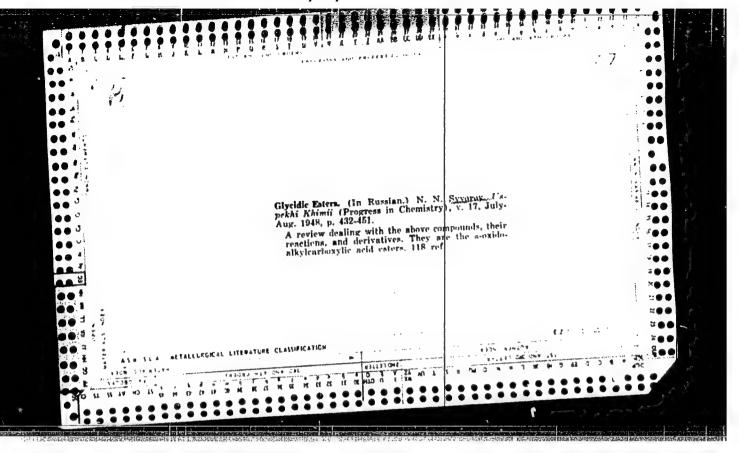
SOV/31-59-2-13/17 The Transformation of Setaria Italica Into a New Species of Setaria Viridis zone of Alma-Ata and in a desert region south of the Balkhash Lake. The experience was crowned with final success in 1955, when in the cultivation zone of Alma-Ata, six plants were selected from the generation of the new form of Setaria viridis, which had developed from the changed seeds found in the axil clusters of Setaria Italica. These plants were sharply distinguished from the other plants by their large size and the comparatively dark color of their vegetative and generative organs. The posterity of the selected plants showed a great variety in the seed colors, the form of the racemes and other biomorphological characteristics. The new form of Setaria, in contrast to Setaria Italica and Setaria Viridis, absorbs a great quantity of light energy. As was shown by biochemical analysis, the seeds of Card 3/4





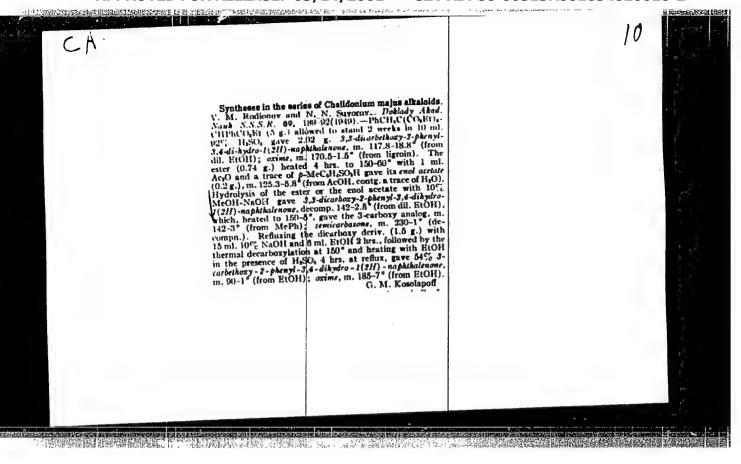
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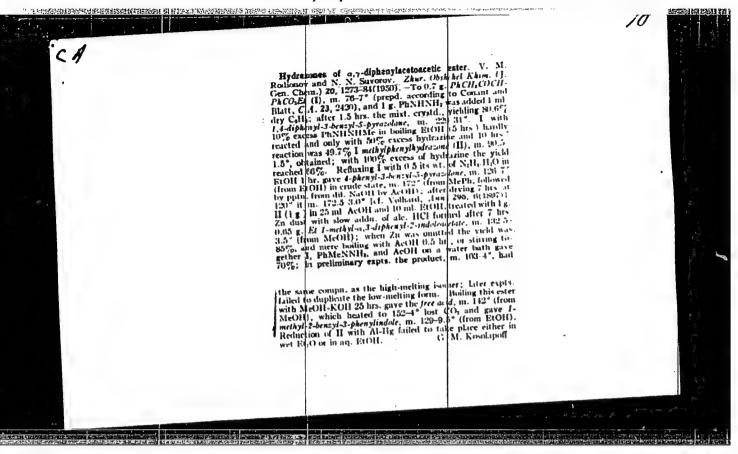


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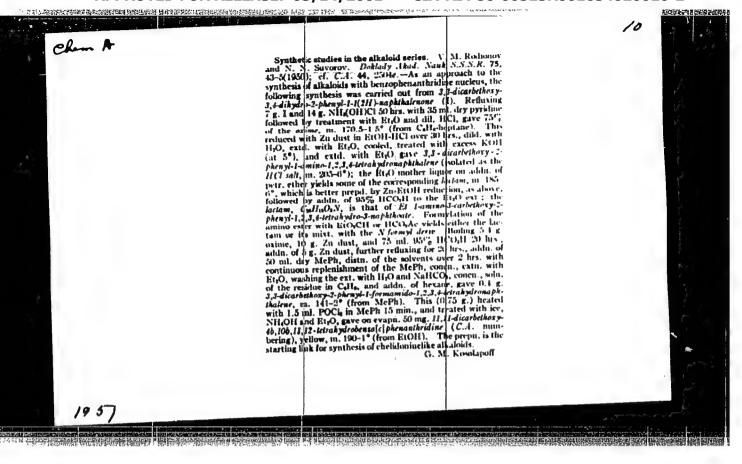


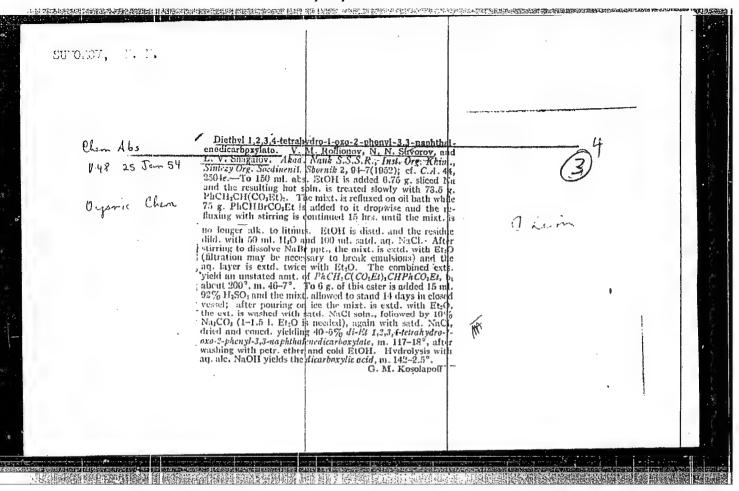
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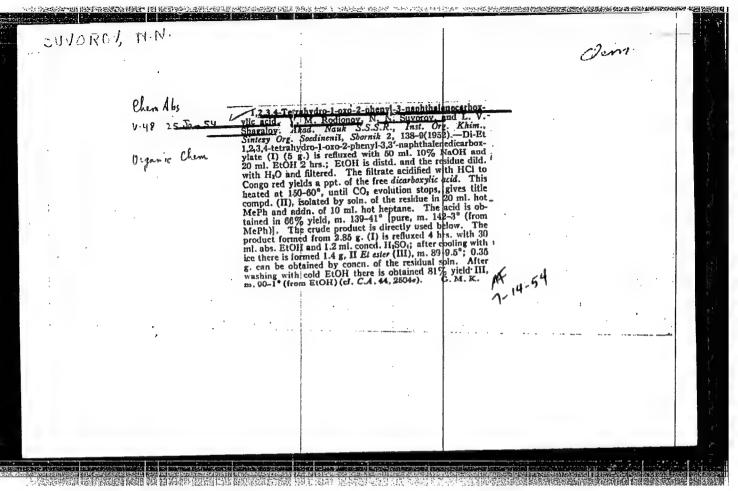


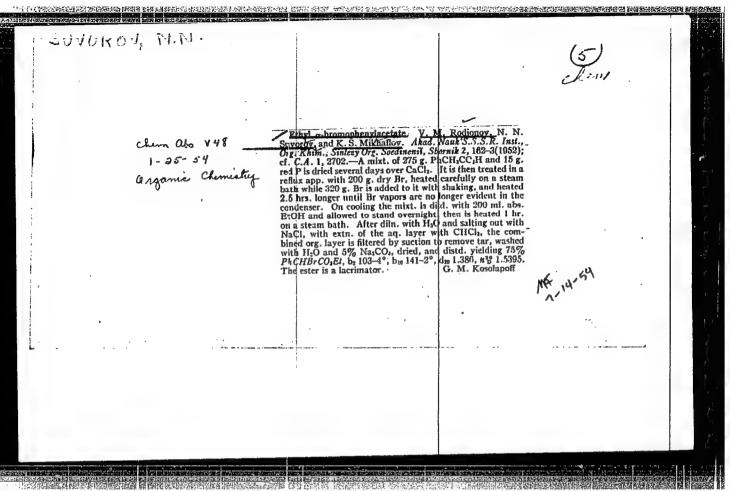
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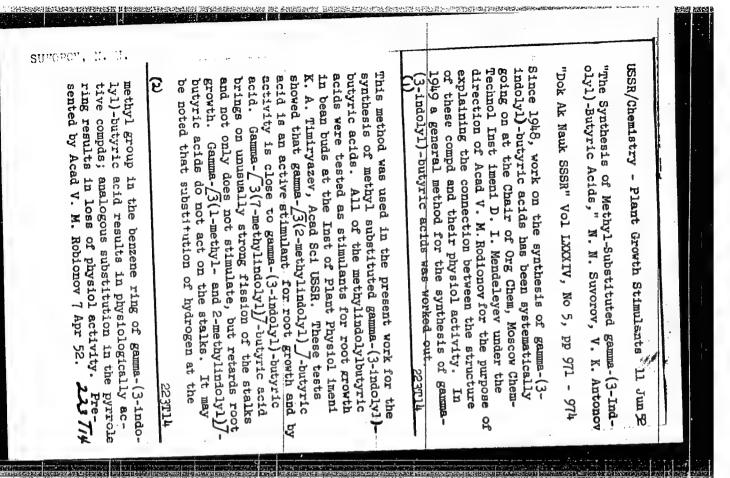


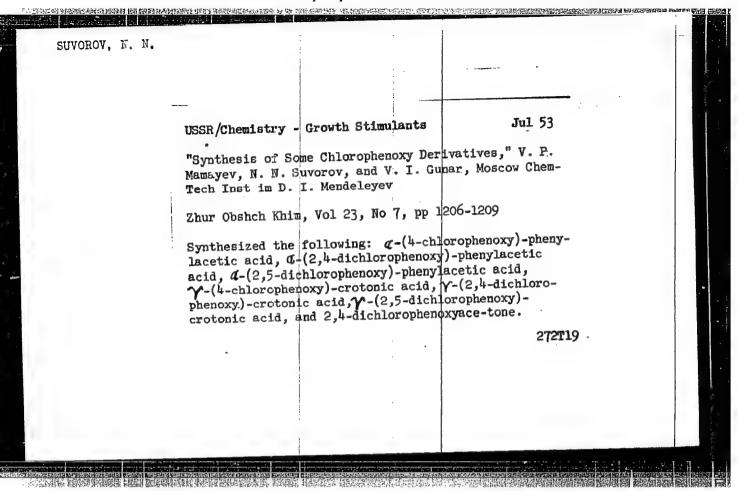


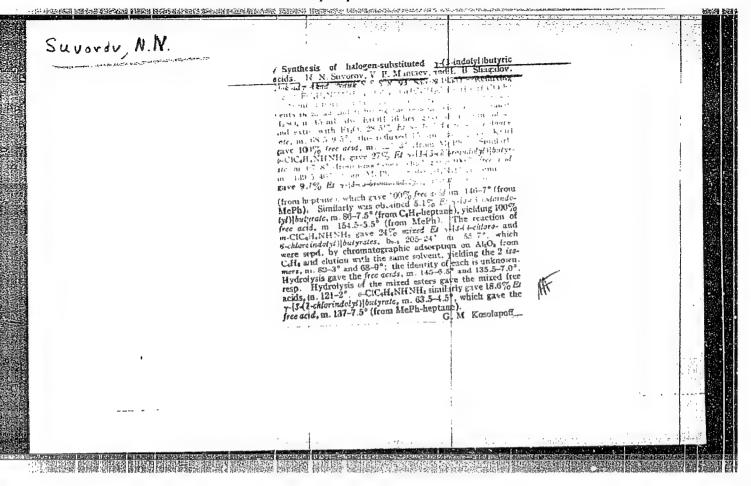


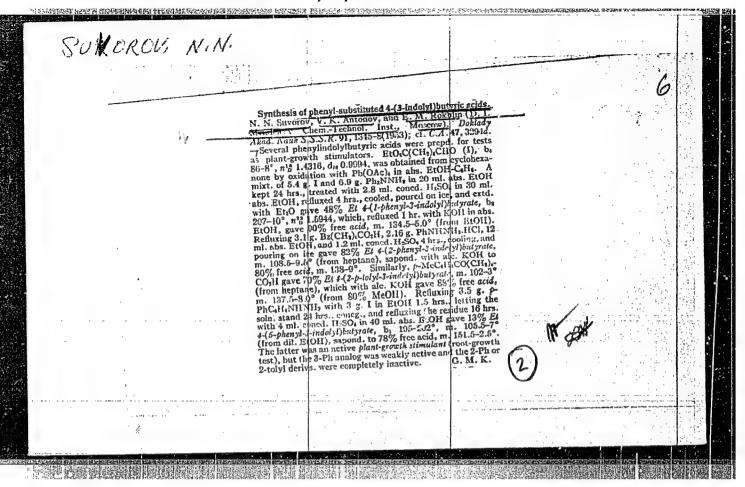


SUVOROV N. N.		238T2
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	USSR/Chemistry - Pharmaceuticals Fe	b 52
	"Synthesis of 6-Carboxy-11-methyl-5, 6, 13, tetrahydro-1, 2-benzophenanthridine (I)," Acad V. M. Rodionov, N. N. Suvorov, and L. V Shagalov	
	"DAN SSSR" Vol 82, No 5, pp 731 - 734	
	(I) was synthesized with a theoretical yield 75%. It has a structure similar to that of alkaloid helidonine.	of the
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Anna Anna	7-0410 at 11-12 1h W 16h	. (MIRA 8:1)	
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Pub. 22 - 27/51  Suvorov, N. N.; Mamayev, V. P.; and Shagelov, L. B.  Synthesis of 5-alkoxy- and 5-aryloxy-gamma-3-indolylbutyric acids  Periodical 8 Dok. AN SSSR 101/1, 103-106, Mar 1, 1955  Abstract 8 The synthesis of alkoxy and aryloxy-indolylbutyric acids with the aid of the E. Fischer reaction is described. The synthesis of the acids was realized in the presence of anhydrous phosphoric acid in alcohol solutions at the boiling point of the latter. The stimulating effect of the acids was tested on various vegetable plants with good results. Eight references: 3 USSR, 1 French, 3 USA and 1 German (1886-1954).  The D. I. Mendeleyev Chem. Tech. Institute Moscow  Academician I. W. Mazarov, September 27, 1954	SSR/Chemist	rv -	Synthesis
Suvorov, N. N.; Mamayev, V. P.; and Shagalov, L. B.  Synthesis of 5-alkoxy- and 5-aryloxy-gamma-3-indolylbutyric acids  Periodical B Dok. AN SSSR 101/1, 103-106, Mar 1, 1955  Abstract B The synthesis of alkoxy and arylox-indolylbutyric acids with the aid of the E. Fischer reaction is described. The synthesis of the acids was realized in the presence of anhydrous phosphoric acid in alcohol solutions at the boiling point of the latter. The stimulating effect of the acids was tested on various vegetable plants with good results. Eight references: 3 USSR, 1 French, 3 USA and 1 German (1886-1954).	ODLY Official 2		
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The synthesis of alkoxy and aryley-indolylbutyric acids with the aid of the E. Fischer reaction is described. The synthesis of the acids was realized in the presence of anhydrous phosphoric acid in alcohol solutions at the boiling point of the latter. The stimulating effect of the acids was tested on various vegetable plants with good results. Eight references: 3 USSR, 1 French, 3 USA and 1 German (1886-1954).  The D. I. Mendeleyev Chem. Tech. Institute Moscow	itle	0	Synthesis of 5-alkoxy- and 5-aryloxy-gamma-3-indolylbutyric acids
the E. Fischer reaction is described. The Synthesis of the latter in the presence of anhydrous phosphoric acid in alcohol solutions at the boiling point of the latter. The stimulating effect of the acids was tested on various vegetable plants with good results. Eight references: 3 USSR, 1 French, 3 USA and 1 German (1886-1954).  The D. I. Mendeleyev Chem. Tech. Institute Moscow	Periodical	8	
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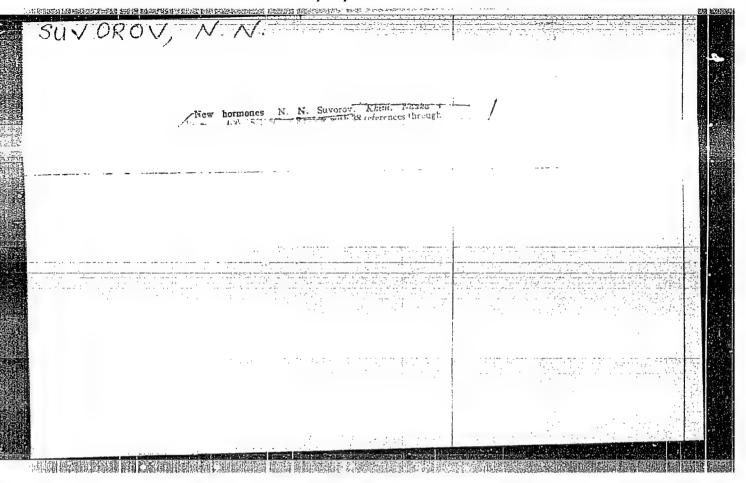
SHVOROV, N.N. USSR/ Chemistry Card 1/1 Pub. 22 - 20/51 Authors Mamayev, V. P.; Suvorov, N. N.; and Rokhlin, E. M. Title Synthesis of beta-(2-thienyl)-beta-alanine and some of its derivatives Periodical Dok. AN SSSR 101/2, 269-271, Mar 11, 1955 Abstract The synthesis of beta-(2-thienyl)-beta-alanine from thiophene-2-aldehyde is described. The method of obtaining these compounds and their derivatives is based on the reaction of homologous aldehydes with malonic acid in the presence of spirits of ammonia. Nine references: 4 USSR, 4 USA and 1 German (1912-1953). Institution : The D. I. Mendeleyer Chemical Technological Institute, Moscow Presenced by: Academician I. N. Nazarov, September 24, 1954

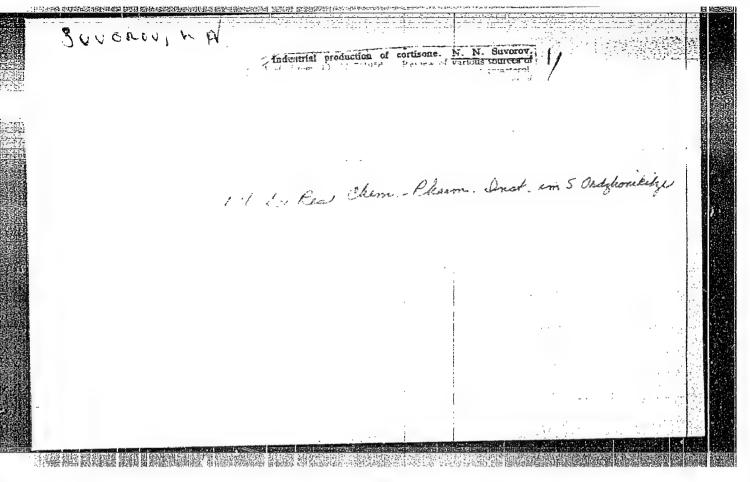
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[translator]; RODICNOV, V.M., skademik, redaktor [deceasew];
VUL'FRON, N.S., doktor khimicheskikh nauk, redaktor; LEVINA,
E.M., otvetstvennyy redaktor; SHPAK, Ye.G., tekhnicheskiy
redaktor

[The plant alkaloids. Translated from the English] Khimita
rastitel'nykh alkoloidov. Perevod s angliiskogo. Pod red. V.M.
Rodionova. i N.S. Vul'fsona. Moskva, Gos.
khim. lit-ry, 1956. 904 p.

(Alkaloids)

(Alkaloids)



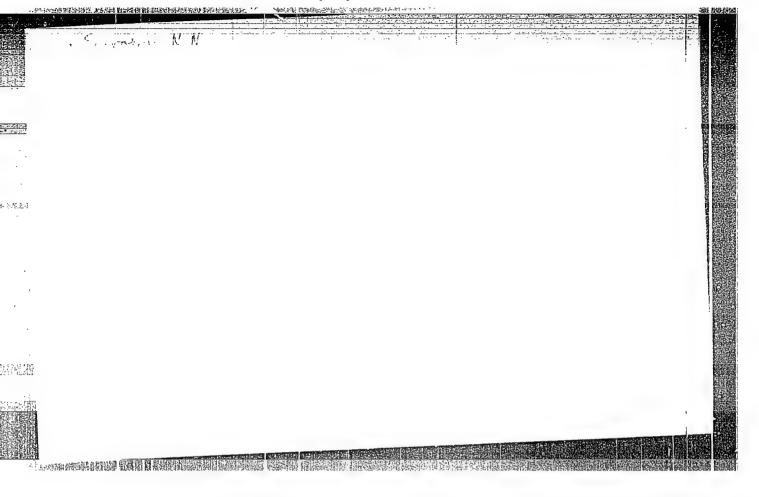


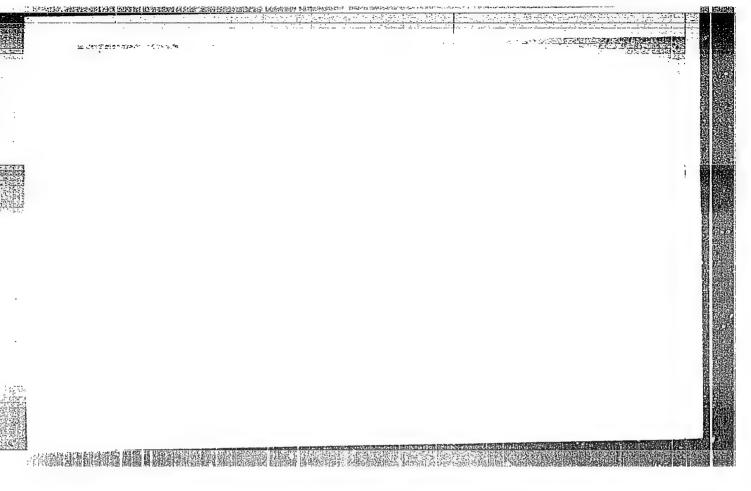
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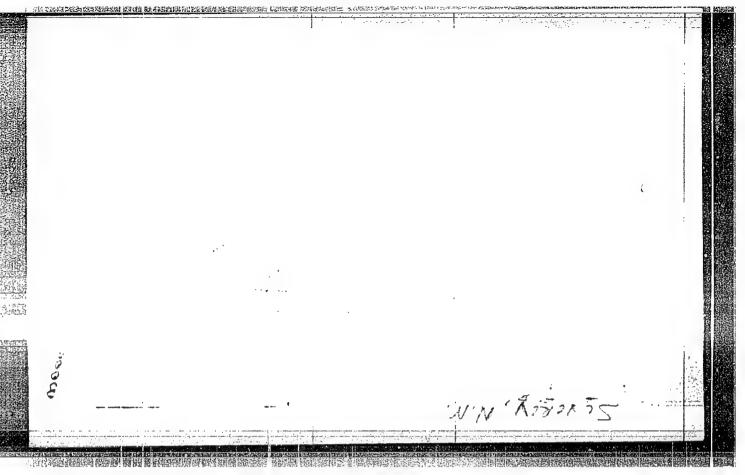
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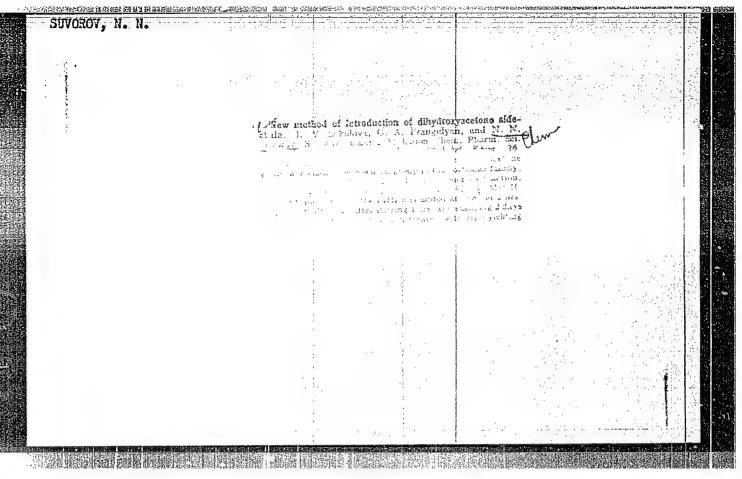
1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

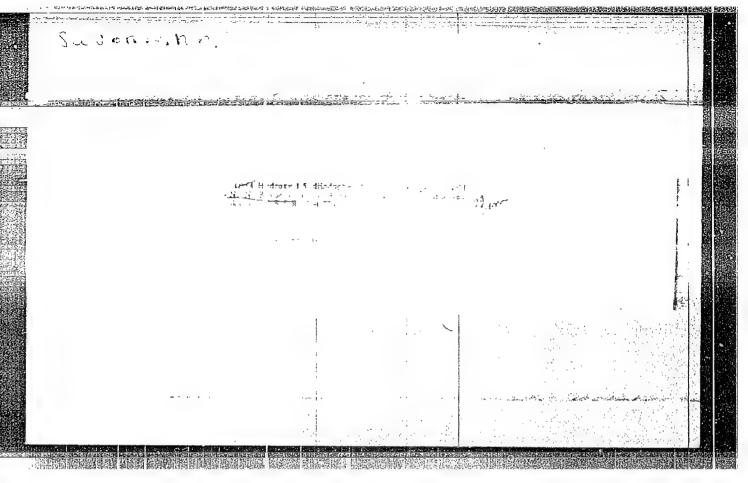
(Crotonic acid)

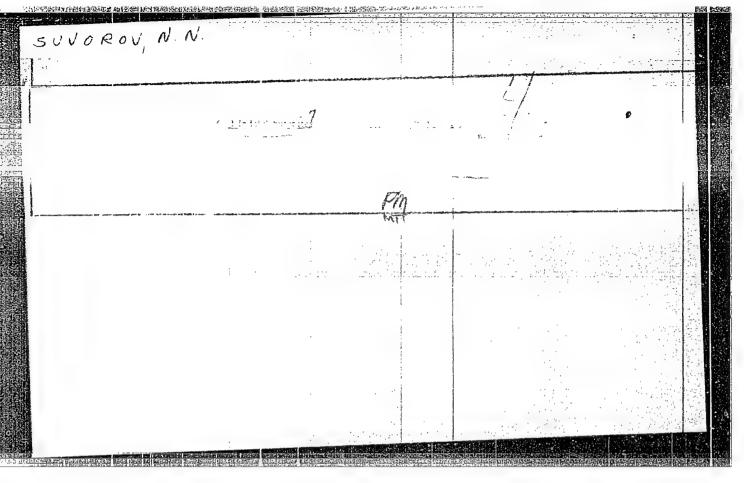


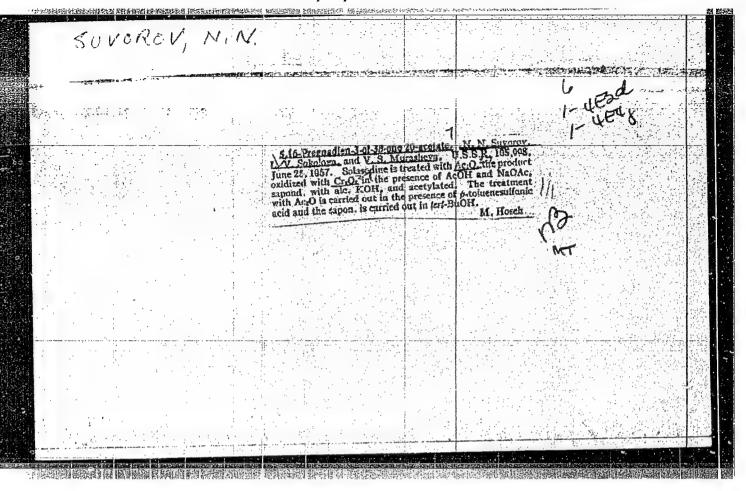


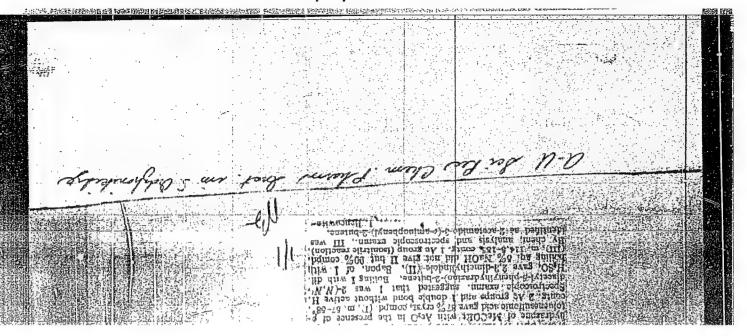












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RODIONOV	V.M.; SUVOROV, N.N.; AVRAMBARO	, V.G.; MOROZOVSKAYA, L.M.	0
	Synthesis of $\beta$ -diodotyrosine 2238 Ag 157.		
	1. Moskovskiy khimiko-tekhnolog nauchno-issledovatel'skiy khimi (Ty	icheskiy institut i Vsesoyuznyy ko-farmatsevticheskiy institut. rosyne)	
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#### CIA-RDP86-00513R001654020010-2

N.N. SUVEROY 25-58-3-13/41 Suvorov, N.N., Candidate of Chemical Sciences AUTHOR: Successful Research (Plodotvcrnyye poiski) TITLE: Nauka i Zhizn', 1958, Nr 3, pp 32-36 (USSR) PERIODICAL: In this article the author gives a short review of research work done in medical and pharmacological sciences from the 16th century up to the present. The Russian scientist, A.M. Butlerov, who in the 19th century established the theory of ABSTRACT: chemical structures, is mentioned in this connection. There are three sketches. Library of Congress AVAILABLE: 1. Medicine-USSR Card 1/1

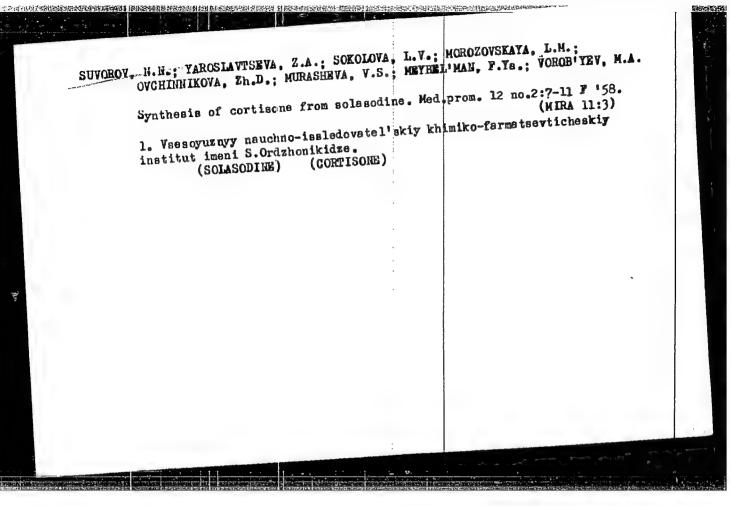
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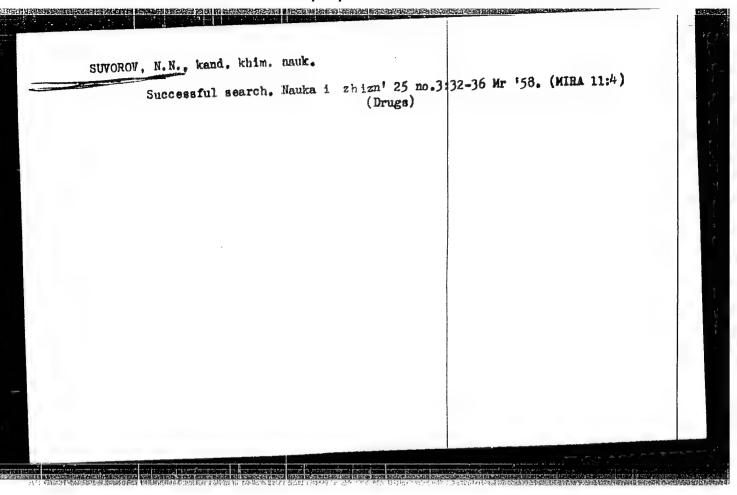
#### CIA-RDP86-00513R001654020010-2

,	SUVOROV, N.N.; SOKOLOVA, L.V.; MOROZOVSKAYA, L.M.; MURASHEVA, V.S.  Synthesis of progesterone from solasodin. Khim. nenka i prom. 3 (MIRA 11:  1. Vse soyuznyy nauchno-issledovatel skiy khimiko-farmatsevtiche institut imeni S. Ordzhonikidze. (Progesterone) (Solasodine)	

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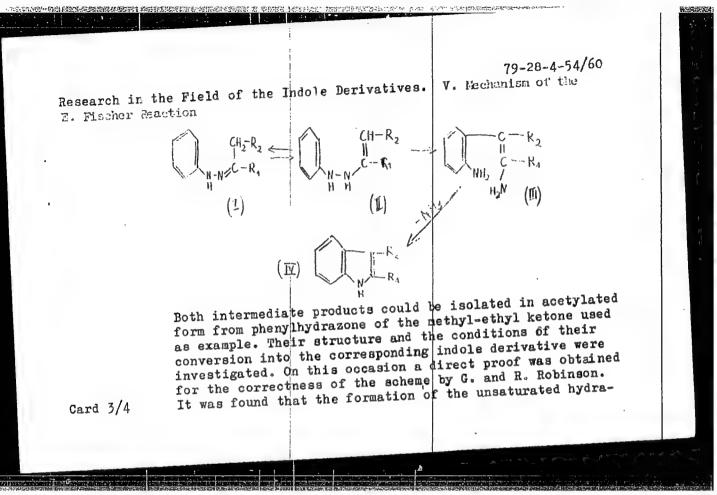
CIA-RDP86-00513R001654020010-2





•	79-28-4-54/60
AUTHORS:	Suvorov, N. N., Sorokina, N. P., Sheynker, Yu. R
TITLE:	Research in the Field of the Indole Derivatives (Issledovaniya v oblasti proizvodnykh indola) V. Mechanism of the E. Fischer
•	Reaction (V.K voprosu o mekhanizme reaktsii E. Fishera)
PERIODICAL:	Zhurnal Obshchey Khimii, 1950, Vol. 26, Nr 4, pp. 1090-1097 (USSR)
ABSTRACT:	The conversion of aryl hydrazones of carbonyl compounds into indole derivatives (reaction according to E. Fischer) is the indole derivatives (reaction according to E. Fischer) is the indole derivatives (reaction according to E. Fischer on the production most important and most widely used method for the production most important and most widely used method for the production of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways: of the latter. This reaction may be carried out by two ways:
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Card 1/4	1 mol ammonia (in the case of

ACTION OF THE SECRET SE 79-28-4-54/60 v. lechonism of the E. Research in the Field of the Indole Derivatives. Fischer Reaction Fischer as ammondum salt) from anyl hydrazone. This precipitation takes place due to a previous intranolecular transposition of aryl hydrazone. The mechanism of this interesting reaction was already investigated in technical publications (Refs 4, 5). G. and R. Robinson (Ref 5) divided the conversion of aryl hydrazone into the corresponding indole derivative into three stages: 1) Tautomeric conversion of aryl hydrazone (I) into the corresponding unsaturated hydrazine (II). 2) Ortho-benzidine transposition of the hydrazo compound (II) into the unsaturated diamine (III).
3) Formation of the indole ring (IV) by precipitation of one ammonia molecule. By means of an appropriate process (reaction carried out according to E. Fischer in acetic anhydride as medium and alkaline saponification of the diacetyl derivative of the unsaturated hydrazine) the authors succeeded in dividing this reaction into three stages which agree with the three stages of the mechanism suggested by G. and R. Robinson. Card 2/4



79-28-4-54/60 V. Mechanism of the Research in the Field of the Indole Derivatives, E. Fischer Rederson zine takes place under the presence of acid catalysts; . orthombenzidine transposition does not absolutely need this catalysis but can be made also in the alkaline medium. The formation of the indole ring which can be catalyzed by hydrogen ions takes place very rapidly. It can be achieved also by thermal means. The carrying out of the mentioned formation reactions is described in detail in an experimental part. There are 2 figures and 26 references, 3 of which are Soviet. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze ASSOCIATION: (All-Union Chemical Pharmaceutical Scientific Research Institute imeni S. Ordzhonikidze) March 11; 1957 PRESENTED: April 13, 1957 SUBMITTED: Card 4/4

्र संस्थातिक विश्वासीय	AND AND A STREET OF THE PROPERTY OF THE PROPER
AUTHORS	Suvorow, N. N., Dudinskaya, A. 1. 79-28-5-59/69
TITLE:	Hormones of the Thyroid and Their Homologs  Hormones of the Thyroid and Their Homologs  (Gormony shchitovidnoy zhelezy i ikh analogi)  (Gormony shchitovidnoy zhelezy i ikh analogi)  II. Synthesis of Betasine Derivatives (Sintez izomerov
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ABSTRA	is of high antithy quark and in medicine.  Avramenko \( \rho\) is of high antithy quark and in medicine.  Avramenko \( \rho\) is used in medicine.  Anown under the name of "Betasine", is used in medicine.  \( \rho\) -diodotyrosine is a \( \rho\) -(4-oxy-3,5-diodophenyl)-\( \rho\) -diodophenyl in the dependence on the chemical structure, of the antithyreotropic effect on the chemical structure, of the antithyreotropic effect on the chemical structure, of the antithyreotropic effect on the chemical structure, in betasine. The orthoposition of the phenolhydroxyl in betasine. The orthoposition of the phenolhydroxyl in betasine of \( \rho\) -alanine  \( \rho\) -(2-oxy-3,5-diiodophenyl)-\( \rho\) -alanine
Card	1/3

79-28-5-59/69 Hormones of the Thyroid and Their Homologs II. Synthesis of Betasine Derivatives Posner (Pozner) (reference 1) coumarin and hydroxylamine. In order to realize the synthesis of the metabetasine isomer the  $\beta$ -(3-oxyphenyl)- $\beta$ -alanine (II) was subjected to iodization. The compound (II) was produced according to V. M. Rodionov from M-oxybenzaldehyde. It is of interest that even in the case of an excess of compound is formed. Based on stereometric considerations the structure of  $\beta$ -(3-oxy-4,6-diiodophenyl)- $\beta$ -alanine (III) is attributed to the latter, which was also proved iodated agents not a by its synthesis through the diazo compound of  $\beta$ -(3-amino 4.6-diiodophenyl)- $\beta$ -alanine (IV), the structure of which is fixed (reference 3). It must be pointed out that the American chemical scientist Jackson (Dzhekson) (reference 4) arrived at similar conclusions with respect to the decide. In a rather complicated way he proved that in the iodization of m-tyrosine a B-(3-oxy-4,6-diiodidephenyl) alanine forms. The results on the physiologic activity of the synthetized compounds are mentioned in other papers. There are 9 references, Card 2/3

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	STATISTICS STATISTICS			

79-28-5-60/69 Suvorov, N. N., Dudinskaya, A. A., Morozovskaya, L. M. AUTHORS: Hormones of the Thyroid and Their. Homologs (Gormony shchitovidnoy zhelezy i ikh gomologi). TTTLE: III. Synthesis of the Amine Analogs of Betasine (III. Sintez aminoanalogov betazina) Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 5, PERIODICAL: pp 1374-1378 (USSR) In continuation of the compounds synthetized by the authors for the purpose of investigating their antithyroidal ABSTRACT: effect in dependence on their chemical structure (Reference 2), they used the N-acetyl-(34-nitrophenyl-(3-alanine (I) - synthetized already earlier by them - which through the skeleton nickel catalyst was hydrated to nophenol-(3-N-acetylamine-proprionic acid (II) as initial product for the synthesis of the 4-amino analog of betasine. This acid was saponified and the obtained unseparated  $\beta$ -4-aminophenyl- $\beta$ -alanine (III) was iodated in pure state in diluted hydrochloric acid with monochloro-Card 1/3

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iodide, which lead to the necessary \$ -(amino-3,5--diiodophenyl- \(\beta\)-alamine) (IV) (see scheme 1). The easily accessible 3-3-nitrophenyl-3-alanine (V) was hydrated on the above catalyst for the synthesis of \( \beta \)-(3-amino-4,6--diiodophenyl)-(3-alanine (VII), and the obtained (3-3-aminophenyl- (3-alanine (VI) was iddated with monochloroiodide. For experimental reasons the structure (VII) and not that of (VIII) or (IX) was attributed to the iodization product. The final proof for compound (VII) was supplied the following way: The aromatic amino group was substituted by iodine through the diazocompound and the obtained triiodaminic acid (X) was oxidized with potassium permanganate with the formation of triiodobenzoic acid (melting point 247-248°C). This proved to be identical with the 2,4,5-triiodobenzoic acid (XI) by Wheeler Johns (Uiller i Dzhons) which was proved by direct comparison with the acid itself as well as of the ethylesters obtained by the authors. The results of the physiological activity of the synthetized compounds will be given at a later time There are 5 references, 3 of which are Soviet.

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